

INTERNATIONAL SEARCH REPORT

PCT/US 02/18135

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L12/56 H04B7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ, IBM-TDB, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 067 729 A (NIPPON ELECTRIC CO) 10 January 2001 (2001-01-10) abstract figures 5A-5D paragraphs '0008!, '0015!-'0025!, '0034!-'0045! ---	1-10, 13-16
Y		11, 12
Y	EP 0 743 803 A (TOKYO SHIBAURA ELECTRIC CO) 20 November 1996 (1996-11-20) abstract figure 1 column 2, line 1 -column 3, line 28 ---	11, 12
A		1-10, 13-16 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

11 September 2002

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